

IN THE CLAIMS

Please amend the claims as follows:

1-11. (Canceled)

12. (Currently Amended) An apparatus, comprising:

a rate matcher pattern generator having an operational mode selectable between a repeat transmission mode and a depuncture reception mode, the rate matcher pattern generator comprising both a state machine and a lookup table;

a transmitter, coupled to the rate matcher pattern generator, to provide first repeated data when the rate matcher pattern generator is repeating first data;

a receiver, coupled to the rate matcher pattern generator, to provide second data when the rate matcher pattern generator is deleting second repeated data, wherein the receiver provides the second data according to a first programmed standard included in the rate matcher pattern generator and selected from a plurality of reprogrammable standards;

wherein the receiver is to receive a second programmed standard from the plurality of reprogrammable standards to reprogram the rate matcher pattern generator to operate in accordance with the second programmed standard;

wherein the first programmed standard is a rule-based standard, and wherein the rate matcher pattern generator is to use the state machine in operating under the first programmed standard; and

wherein the second programmed standard is a table-based standard, and wherein the rate matcher pattern generator is to use the look up table in operating under the second programmed standard.

13. (Original) The apparatus of claim 12, further comprising:

a multiplexer coupled to the rate matcher pattern generator to select between input data and repeated data.

14. (Original) The apparatus of claim 13, further comprising:
a wireless transmitter coupled to the multiplexer to transmit the repeated data.
15. (Original) The apparatus of claim 12, further comprising:
a multiplexer coupled to the rate matcher pattern generator to select between input data and depunctured data.
16. (Original) The apparatus of claim 15, further comprising:
a wireless receiver coupled to the multiplexer to provide the input data.
- 17-22. (Canceled)
23. (Currently Amended) A system, comprising:
reconfigurable logic to repeat first data or to delete second repeated data;
a transmitter, coupled to the reconfigurable logic, to repeat first data when the reconfigurable logic is repeating first data;
~~a transmitter coupled to the reconfigurable logic to repeat first data to provide first repeated data;~~
a receiver, coupled to the reconfigurable logic, to delete second repeated data, to provide second data when the reconfigurable logic is deleting second repeated data, wherein the receiver is to provide the second data according to a first programmed standard included in the reconfigurable logic and selected from a plurality of reprogrammable standards; and
wherein the receiver is to receive a second programmed standard from the plurality of reprogrammable standards, to reprogram the reconfigurable logic to operate in accordance with the second programmed standard; and
a dipole antenna to couple to the receiver.
24. (Original) The system of claim 23, wherein the dipole antenna is to couple to the transmitter.

25. (Currently Amended) The system of claim 23, wherein the reconfigurable logic comprises:

a rate matcher pattern generator configurable to operate in a mode selectable between a repeat transmission mode and a depuncture reception mode;

wherein the rate matcher pattern generator comprises random access memory and a programmable logic module;

wherein the first programmed standard is rule-based;

wherein the second programmed standard is table-based;

wherein the rate matcher pattern generator includes a state machine to implement the first programmed standard in the programmable logic module; and

wherein the rate matcher pattern generator includes a look up table to implement the second programmed standard in the random access memory.

26-28. (Canceled)

29. (Previously Presented) The apparatus of claim 12, wherein the rate matcher pattern generator is configurable to operate in at least one of a delete reception mode and a puncture transmission mode.

30-31. (Canceled)

32. (Previously Presented) The apparatus of claim 29, further comprising:

a wireless transmitter coupled to the rate matcher pattern generator to transmit punctured data provided in the puncture transmission mode.

33. (Previously Presented) The apparatus of claim 32, further comprising:

a first-in first-out memory coupled to the rate matcher pattern generator and to the wireless transmitter, the first-in first-out memory to store the punctured data.

34. (Previously Presented) The apparatus of claim 29, further comprising:
a wireless receiver coupled to the rate matcher pattern generator to provide input data in the delete reception mode.
35. (Canceled)
36. (Currently Amended) The apparatus of claim 12 [[35]], comprising:
a dipole antenna to couple to the receiver.
37. (Currently Amended) The apparatus system of claim 36, wherein the dipole antenna is to couple to the transmitter.
- 38-40. (Canceled)